PROCESS AND APPARATUS FOR FAST ASSIGNMENT

OF OBJECTS TO A RECTANGLE

ABSTRACT OF THE DISCLOSURE

Objects are assigned to points in a
5   rectangle by dividing the rectangle is divided into a
plurality of smaller rectangles and applying an
object assignment procedure, such as Kuhn's
algorithm, to initially assigned objects in each
second rectangle.   The initial assignment is
10 performed by calculating a maximal cost of assignment
of objects to points, and selecting an assignment of
objects having a minimum value of maximal cost,
identified by iteratively recalculating the maximal
matching assignment based on a midpoint of between the
15 minimum and maximum costs.